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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/658,961

09/08/2003

Charles Leu

3137

25859

7590

11/01/2004

WEI TE CHUNG

FOXCONN INTERNATIONAL, INC.

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EXAMINER

LEE, GUIYOUNG

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 11/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/658,961	Applicant(s) LEU ET AL.	
	Examiner Guiyoung Lee	Art Unit 2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>0903</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 9-15 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seki (JP 406235823A) in view of Suga et al. (US 6,445,504 B1) and Taniguchi et al. (US 6,700,634 B2).

Re claims 1, 13, 15 and 19: Seki discloses a planar surface illuminator having a light guide plate (1 in Fig. 2) with a bottom plate; a light source (5) irradiating the light guide, darkened areas of the light guide plate being formed adjacent to the light source; and a number of dot-patterns (10) formed on the bottom surface, wherein some dot-patterns positioned at the darkened areas are made of a light emitting material consisting of acryl binder and fluorescent pigment (See abstract). Seki does not disclose a plurality of point light sources. However, Taniguchi teaches a plurality of LEDs (1 in Fig. 1). It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the planar surface illuminator of Seki to include the LEDs as taught by Taniguchi in order to limit power consumption and save mounting space. Further, although Seki does disclose a light emitting material consisting of acryl binder and fluorescent

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particles, he does not disclose melamine-based fluorescent particles. However, Suga teaches that the light diffusing plate is made of melamine-based acrylate (col. 3, line 63 and col. 4, line 7). It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute Seki's acryl binder with Suga's melamine-based acrylate because Suga's melamine-based acrylate and Seki's acryl binder is equivalent material for their use as light guide material and the selection of any of these known equivalents would be within the level of ordinary skill in the art.

Re claim 9: Taniguchi teaches a size of the dot pattern in a range of 1 to 10 micrometers (col. 8, lines 36-46).

Re claims 10-11: Seki teaches that the dot-patterns are uniformly spaced on the bottom surface, and the further the dot-patterns are away from the point sources, the larger the diameter of the dot-patterns are (See Fig. 2).

Re claim 12: Taniguchi teaches that the light guide is formed by plastic molding (col. 13, lines 29-30).

Re claim 14: Taniguchi teaches that the point light sources are positioned at one side of the light guide plate (Fig. 1).

4. Claims 2-8 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seki, Taniguchi, and Suga as applied to claims 1 and 15 above, and further in view of Kaminski et al. (US 2003/0214718 A1). The teachings of Seki and Taniguchi have been discussed above. Re claim 2-8 and 16-18: Seki does not disclose the color of the fluorescent particles. However, Kaminski teaches that the diffuse reflector such as dot patterns comprises a colored element to

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produce colored reflection (Paragraph 0091). Further, The colored reflection comprises green at 525 to 590 nm, red at 630 to 690 nm and yellow at 570 to 620 nm (paragraph 0094). It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute the different color fluorescent particles as suggested by Kaminski with Seki's fluorescent particles in order to produce desired chromatic reflection color.

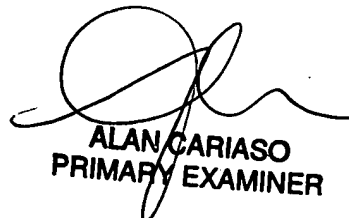
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guiyoung Lee whose telephone number is 571-272-2374. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LGY


ALAN CARIASO
PRIMARY EXAMINER